Funded Projects Fiscal Year 2015

Project Title	Investigator	Organization
U.S. Smoke Hazard Warning System: Prototype and Enhancements to Operational Systems	Larkin, Narasimhan K.	Forest Service
Feedbacks between fuels, fire behavior, and vegetation: fire severity alters successional pathways during oak forest restoration	Hutchinson, Todd F.	Forest Service
Do perennial bunchgrasses competitively exclude Bromus tectorum in post-fire rehabilitation?	Strand, Eva K.	University of Idaho
The consequences of soil heating for prescribed fire use and fire restoration in the South	Kobziar, Leda N.	University of Florida
Measurement of firebrands generated during fires in pine-dominated ecosystems in relation to fire behavior and intensity	Simeoni, Albert J.	University of Edinburgh
Modeling long-term effects of fuel treatments on fuel loads and fire regimes in the Great Basin	Glenn, Nancy F.	Boise State University
Does repeated high severity fire in dry mixed conifer forests homogenize vegetation characteristics across scales?	Stephens, Scott L.	University of California-Berkeley
Lick Creek Demonstration-Research Forest: 25-Year Fire and Cutting Effects on Vegetation and Fuels	Keyes, Christopher R.	University of Montana
AIRPACT-Fire for enhanced communication of human health risk with improved wildfire smoke modeling	Vaughan, Joseph K.	Washington State University-Pullman
Assessing the implications of changing fuels and fire regimes on management and resiliency in the So	Aslan, Clare E.	Northern Arizona University

Fire history and fire-climate interactions in high elevation whitebark pine dominated forests	Taylor, Alan H.	Pennsylvania State University
Pines vs. Oaks Revisited: Forest Type Conversion Due to High-severity Fire in Madrean Woodlands	Barton, Andrew M.	University of Maine
Manipulating soil heating patterns to optimize barrens restoration	Sturtevant, Brian R.	Forest Service
Changes in forest vegetation and fuel conditions 15 years after prescribed fire	North, Malcolm P.	Forest Service
Long-term SUCCESS: SUCCession and Ecosystem dynamics in the Sagebrush Steppe following wildfires	Bakker, Jonathan D.	University of Washington
Influence of fire severity and canopy cover on the population dynamics and quality of beargrass	Ticktin, Tamara	University of Hawaii-Manoa
Impacts of vegetation feedbacks on fire regime regulation under future climate scenarios in Yellowstone	Tinker, Daniel B.	University of Wyoming
The Next Generation Soil Heating Model	Robichaud, Peter R.	Forest Service
Assessing 30 years of changes in vegetation and fuels following wildfire in jack pine forests of northern Lower Michgan	Kashian, Daniel M.	Wayne State University
Quantifying the risk of fire-facilitated transition to non-forest in California and the Southwest	Parks, Sean A.	Forest Service
Multi-Scale Study of Ember Production and Transport under Multiple Environmental and Fuel Conditions	Blunck, David L.	Oregon State University
Relative Importance of Weather and Socio-Cultural Factors to Fire Managers' Decisions	Weise, David R.	Forest Service
Precipitation thresholds for post-fire runoff, erosion and sediment delivery from hillslope to watershed scale	Kampf, Stephanie K.	Colorado State University
Landscape Impacts of Fire and Climate Change in the Southwest: A Science-Management Partnership	Thode, Andrea E.	Northern Arizona University
Restoration experiments in ponderosa pine at Ft Valley Experimental Forest: Twenty years post-fire	Moore, Margaret M.	Northern Arizona University
Relations among cheatgrass-driven fire, climate, and sensitive-status birds across the Great Basin	Fleishman, Erica X.	University of California-Davis

Post-wildfire forest regeneration in a changing climate	Latimer, Andrew M.	University of California-Davis
Fire modeling and social science analysis of fire managers' use of fire weather data across the US	Olsen, Christine S.	Oregon State University
Fire Ember Production from Wildland and Structural Fuels	Zhou, Aixi	University of North Carolina-Charlotte
Mapping Fuels for Regional Smoke Management and Emissions Inventories	French, Nancy H.	Michigan Technological University
Vegetation succession in an old-growth ponderosa pine forest following structural restoration with fire: implications for retreatment and maintenance	Knapp, Eric E.	Forest Service
Vegetation succession in post-fire seeding treatments	Kilkenny, Francis F.	Forest Service